

# Recombinant Full Length Human KCNMB2 Protein, GST-tagged

**Cat. No.** KCNMB2-6786HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human KCNMB2 full-length ORF ( AAH17825, 1 a.a. - 235 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	235 amino acids
<b>Description</b>	<p>MaxiK channels are large conductance, voltage and calcium-sensitive potassium channels which are fundamental to the control of smooth muscle tone and neuronal excitability. MaxiK channels can be formed by 2 subunits: the pore-forming alpha subunit and the modulatory beta subunit. The protein encoded by this gene is an auxiliary beta subunit which decreases the activation time of MaxiK alpha subunit currents. Alternative splicing results in multiple transcript variants of this gene. Additional variants are discussed in the literature, but their full length nature has not been described.</p>
<b>Molecular Mass</b>	51.59 kDa
<b>AA Sequence</b>	<p>MFIWTSGRTSSSYRHDEKRNIYQKIRDHDLDDKRKVTALKAGEDRAILLGLAMTVCS  IMMYFLLGITLLRSYMQSVWTEESQCTLLNASITETFNCSFSCGPDCWKLSQYPCLQ  VYVNLTSSEKLLLYHTEETIKINQKCSYIPKCGKNFEESMSLVNVVMENFRKYQHFS  CYS DPEGNQKGVILTKLYSSSVLFHSLFWPTCMMAGGVAIVAMVKLTQYLSLLCERI</p>

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	QRINR
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	KCNMB2 potassium calcium-activated channel subfamily M regulatory beta subunit 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	KCNMB2
<b>Synonyms</b>	KCNMB2; potassium calcium-activated channel subfamily M regulatory beta subunit 2; calcium-activated potassium channel subunit beta-2; BK channel beta subunit 2; BK channel subunit beta-2; MaxiK channel beta 2 subunit; MaxiK channel beta-subunit 2; big potassium channel beta subunit 2; charybdotoxin receptor subunit beta-2; hCG1646471; hbeta2; k(VCA)beta-2; large conductance calcium-activated potassium channel beta 2 subunit; large-conductance Ca <sup>2+</sup> -activated K <sup>+</sup> channel beta2 subunit; potassium channel subfamily M regulatory beta subunit 2; potassium large conductance calcium-activated channel, subfamily M, beta member 2; slo-beta-2
<b>Gene ID</b>	10242
<b>mRNA Refseq</b>	NM_181361

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<b>Protein Refseq</b>	NP_852006
<b>MIM</b>	605214
<b>UniProt ID</b>	Q9Y691

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